IT-SDS-308-T-8DI (RS-485) 8-Ports RS-485/422to Ethernet Serial Server

Features

◎ Support 10/100M Ethernet.

◎ Support 8 Ports RS-485/422.

◎ Support WEB and Telnet configuration.

◎ Support TCP, UDP, ARP, ICMP, DHCP and DNS protocol.

◎ Support TCP Server, TCP Client, TCP Auto, UDP and.
  Real COM driver working mode.

◎ Support UDP multicast and UDP subnet mode.

◎ Support heartbeat time and time over disconnect function.

◎ Support cross-gateway and cross-router communication.

◎ Support virtual serial COM port access and Network interruption automatic recovery.

◎ Provide Windows configuration tools for easy to use, easy to bath install.

◎ Industrial grade design, IP30 protection grade.

◎ No fan, low consumption design.

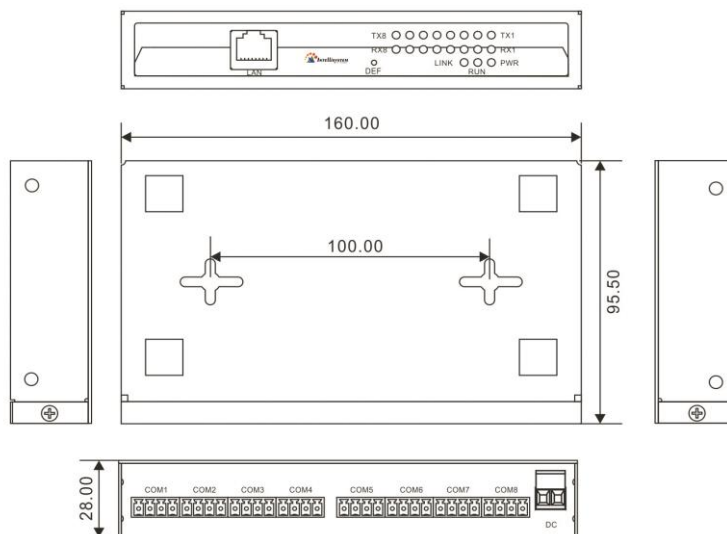◎ Working temperature: -40～85℃.

Introduction

IT-SDS-308-T-8DI (RS-485) is an high performance, industrial grade serial to Ethernet server, it can satisfy some kinds of customer requirements in consumption, temperature, volume and handle ability. It provides 8 ports RS-485/422(RS-485/422 connector: 5 bit terminal block) and 1 port 10/100Base-Tx Ethernet, can focus manage disperse serial device, master through network, easy, convenience. In application, can configure, upgrade through WEB

Moreover, IT-SDS-308-T-8DI (RS-485) provide strong function

configuration tools based in Windows platform, it can guide user configure the device step by step, all configurations are coming true by WEB or Telnet, support cross-gateway and cross-router, user can flexible configure IP address, server and client mode, data bag size etc.

IT-SDS-308-T-8DI (RS-485) adopts EMC protection design, can work in rugged environment.

Dimensions

Unit (mm)

Specifications

Ethernet ports

Standard: 10Base-T, 100Base-TX

Protocol: Support TCP, UDP, APR, ICMP and DHCP

Signal: Rx+, Rx-, Tx+, Tx-

Speed: 10/100Mbps

Working: Full-duplex and half duplex

Working mode: Support TCP Server and Client

Transfer distance: 100m

Connector: RJ45

RS-485/422 ports

RS-485/422 port number: 8

RS-422 signal: T+(A), T-(B), R+(A), R-(B)

RS-485 signal: D+(A), D-(B)

Parity bit: None, Even, Odd, Space, Mark

Data bit; 5bit, 6bit, 7bit, 8bit

Stop bit: 1bit, 2bit

Band rate: 300bps～115200bps

Loading: support 32 nodes loop back

Transfer distance: 1200m

Connector: 4-bit terminal block

Protection: class 3 static, 1.5KVAC isolation

LED Indicators

Working statue indicator: RUN

Power (PWR)

Ethernet port connection statue (Link)

RS-485/422 port transmit data indicator: TX1~TX8

RS-485/422 port receive data indicator: RX1~RX8

Power requirements

Input voltage: 12VDC (9-48VDC)

No-load consumption: 1.81W@12VDC

Full-load consumption: 2.36W@12VDC

Environment limits

Working temperature: -40~85℃

Storage temperature: -40~85℃

Relative humidity：5%~95%（non-condensing）

Mechanical

Shell: IP30 protection, metal shell

Installation: Wall mounting

Weight: 486g

Size (L×W×H): 160mm×95.5mm×28mm

Standards

EMS: EN 61000-4-2 (ESD) Level 3,

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

Warranty

Warranty time: 5 years

Certificates

CE, FCC, RoHS, UL508 (pending)

Ordering Informations

IT-SDS-308-T-8DI (RS-485)   8-ports RS-485/422 to Ethernet (10M/100M), DC9-48V, wall mounting

Packing List

1. IT-SDS-308-T-8DI (RS-485)×1

2. User manual ×1

3. Straight network cable ×1

4. Power adapter ×1

5. CD-ROM ×1

6. Warranty card ×1

7. Certificate of quality x1

Optional accessories:

DIN-Rail Mounting Kit (35mm) ×1